

## ENERGY RECOVERY VENTILATORS



**mitsubishi electric corporation**  
[www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)



### RVX3 SERIES

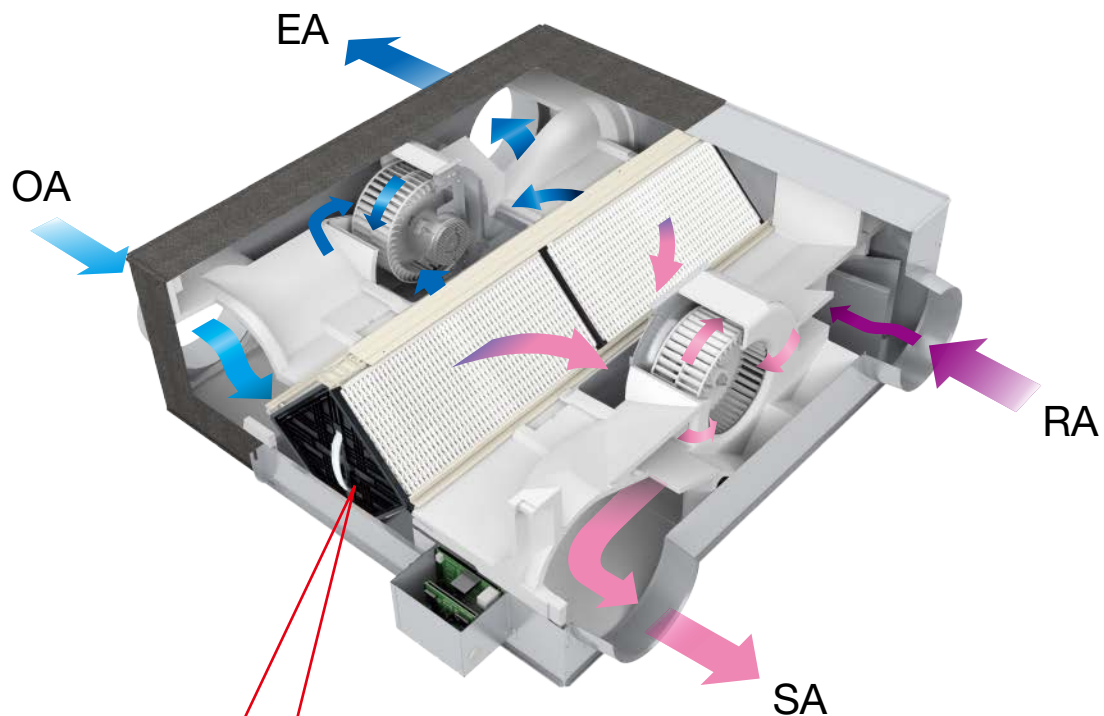
LOSSNAY ventilation systems are renowned industry-wide for their efficiency. They offer environment friendly energy recovery and enable air conditioning systems to simultaneously provide optimum room comfort and energy savings.



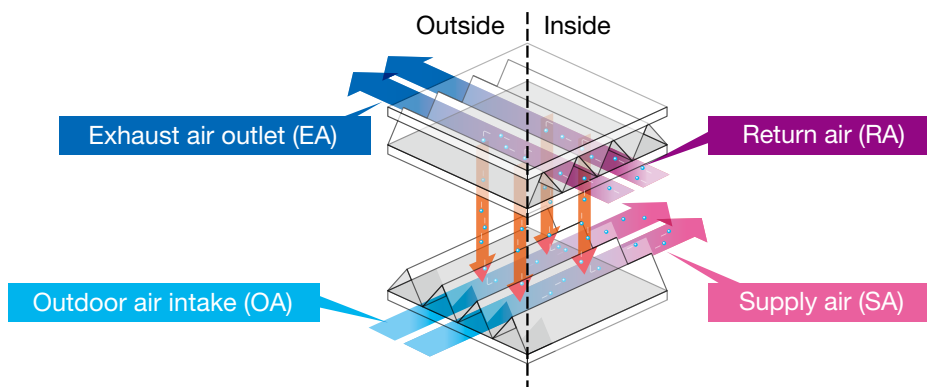
# LOSSNAY System

**Indoor air quality inside a building is optimized through temperature and humidity exchange by RVX3 series**

RVX3 series is a total heat exchange ventilation system that uses paper characteristics to perform temperature (sensible heat) and humidity (latent heat) exchange.



## ■ Concept of sensible heat and latent heat exchange using LOSSNAY core



LOSSNAY has steadily evolved since it was first launched in 1970, by consistently discerning in advance the diversifying air conditioning needs of the times. The technology is used in a wide range of applications, and LOSSNAY units are widely adopted in residences, office buildings, hospitals, schools, etc.



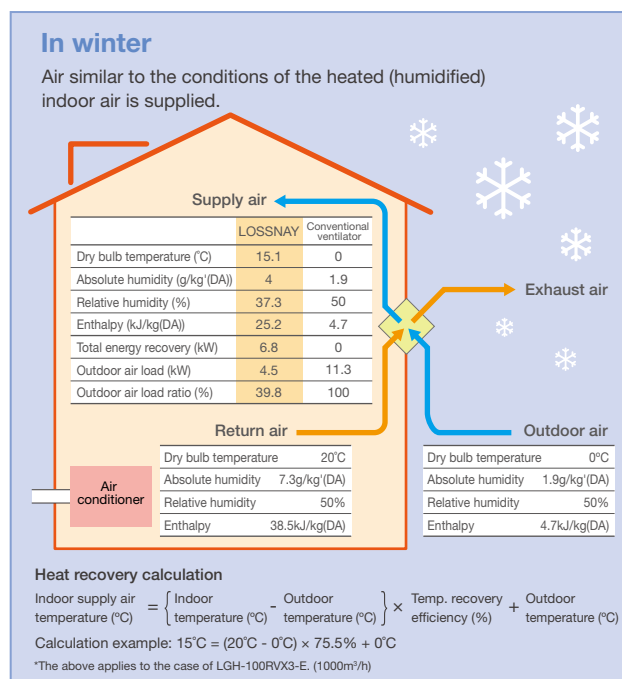
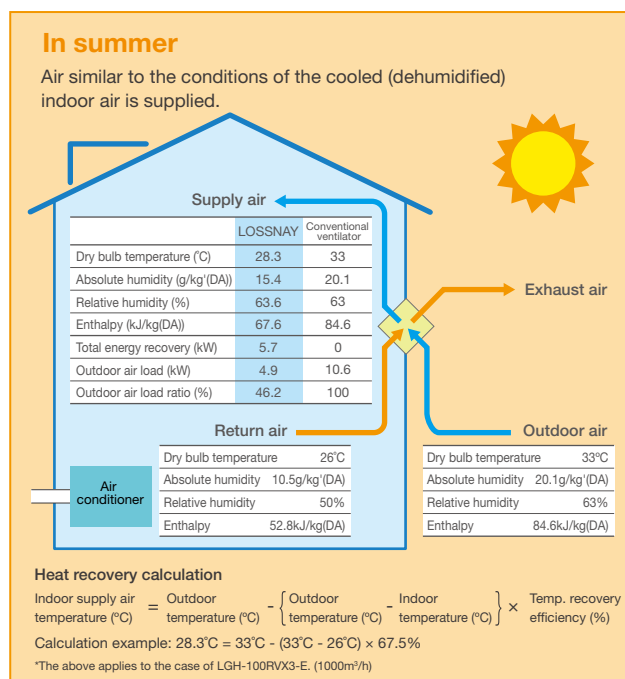
## RVX3 series solution

Environment friendly total energy recovery enables air conditioning systems to simultaneously provide optimum room comfort and energy savings.



## What is improved by introducing LOSSNAY?

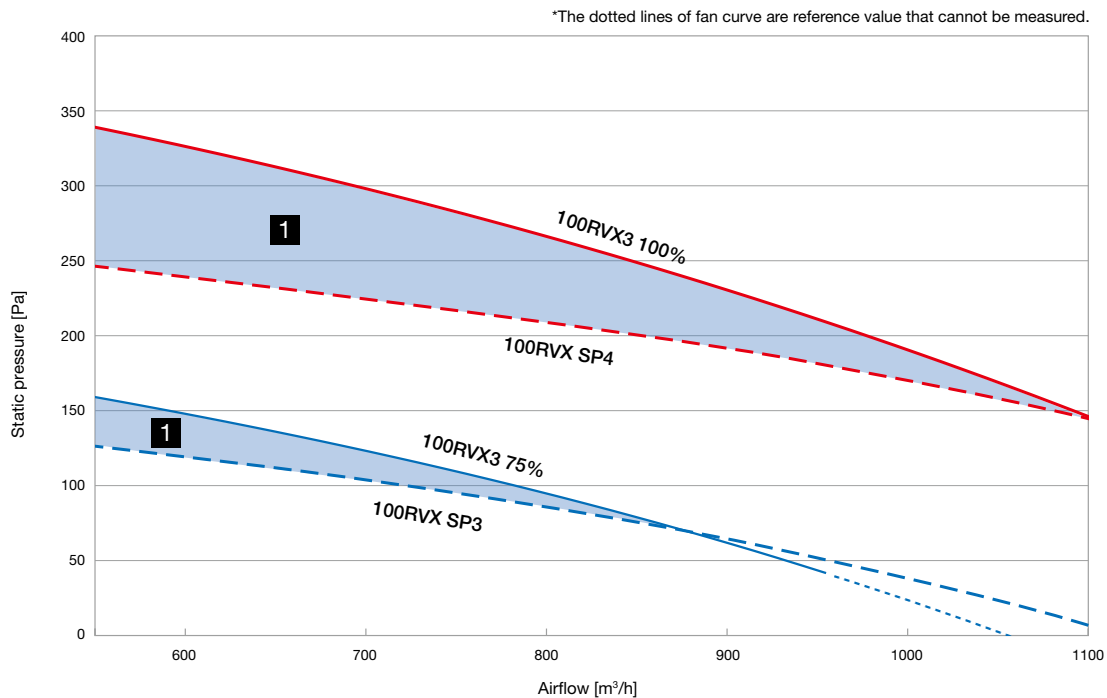
### ■ Ventilation with maximized comfort



# Four Key Features

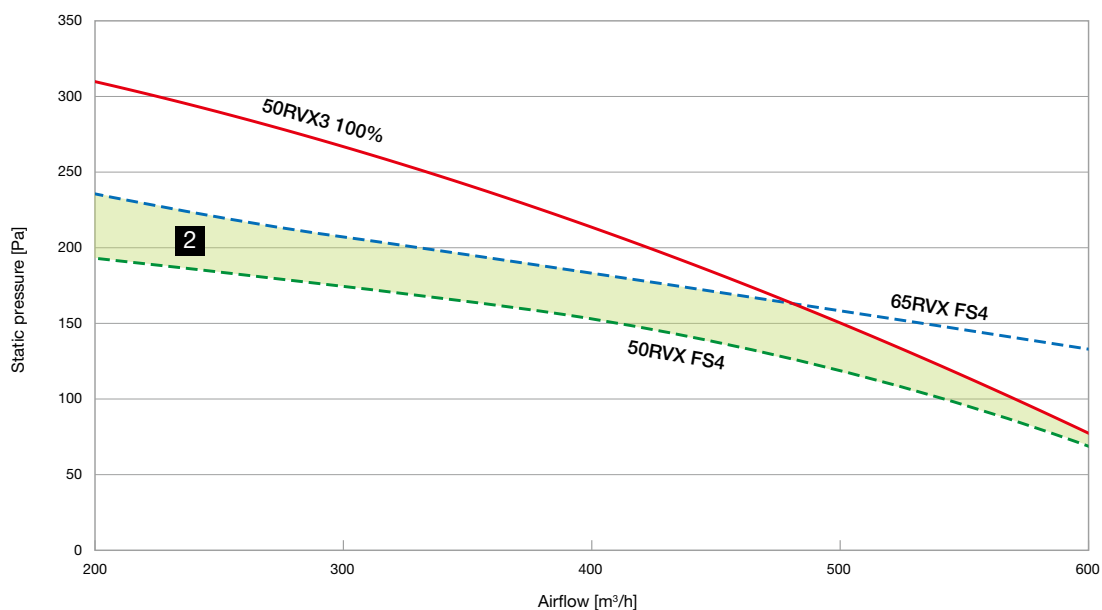
## 01 High static pressure

External static pressure has been improved compared to previous models. Accompanying this increase in external static pressure, the selection range of models and filters has also expanded. Furthermore, flexible duct work becomes possible.



**1** Increased static pressure.

Smaller models can be chosen compared to previous models.



**2** Where 65RVX had to be chosen previously, 50RVX3 (one size down) may now be chosen, owing to its increased external static pressure.

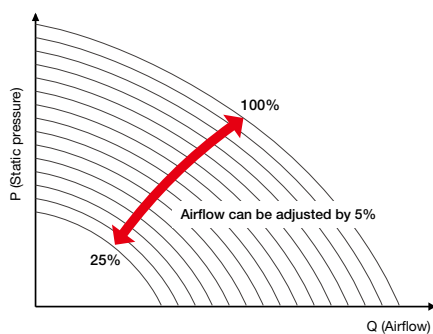


## 02 Controllability

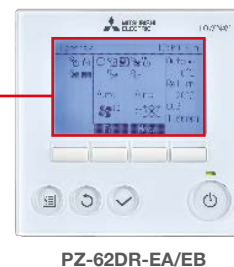
### 1. Improved airflow range

#### Variable air control

The default fan speed value (Fan speed 1: 25%, Fan speed 2: 50%, Fan speed 3: 75%, and Fan speed 4: 100%) of both supply air and exhaust air can be adjusted flexibly. Within the range between 25% and 100%, airflow can be adjusted by 5% increments to satisfactorily meet the designed airflow rate.

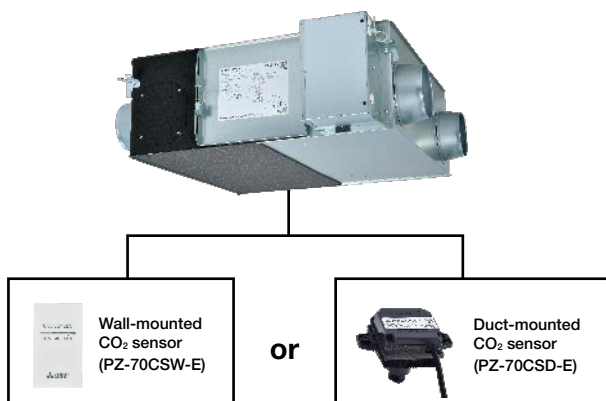


Airflow		
Add.	1	Supply / Exhaust
5%	30 %	30 %
5%	35 %	50 %
5%	75 %	50 %
5%	100 %	90 %
Speed select: ✓		
▼ Cursor ▲		



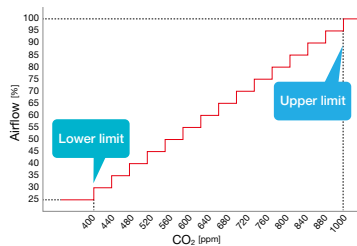
### 2. New CO<sub>2</sub> sensor

A CO<sub>2</sub> sensor connected directly to a LOSSNAY RVX3 unit optimizes the fan speed according to the levels of CO<sub>2</sub> detected. It improves total heat exchange efficiency and contributes to energy savings.



Two types of CO<sub>2</sub> sensors are available: wall-mounted and duct-mounted types. Power is supplied to the CO<sub>2</sub> sensor from the LOSSNAY board.

Fan speed automatically changes from 25% to 100% (16 steps) depending on the level of CO<sub>2</sub> concentration.



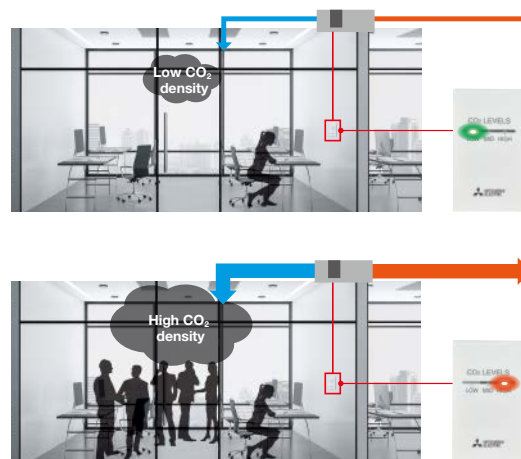
Both upper and lower limits can be adjusted.  
Upper limit: from 600 to 2000 ppm.  
Lower limit: from 300 to (upper limit - 300) ppm.  
50 ppm increments.

CO <sub>2</sub> control		
CO <sub>2</sub> control	No	/ Yes
CO <sub>2</sub> upper limit	1600	ppm
CO <sub>2</sub> lower limit	450	ppm
Select: ✓		
▼ Cursor ▲		

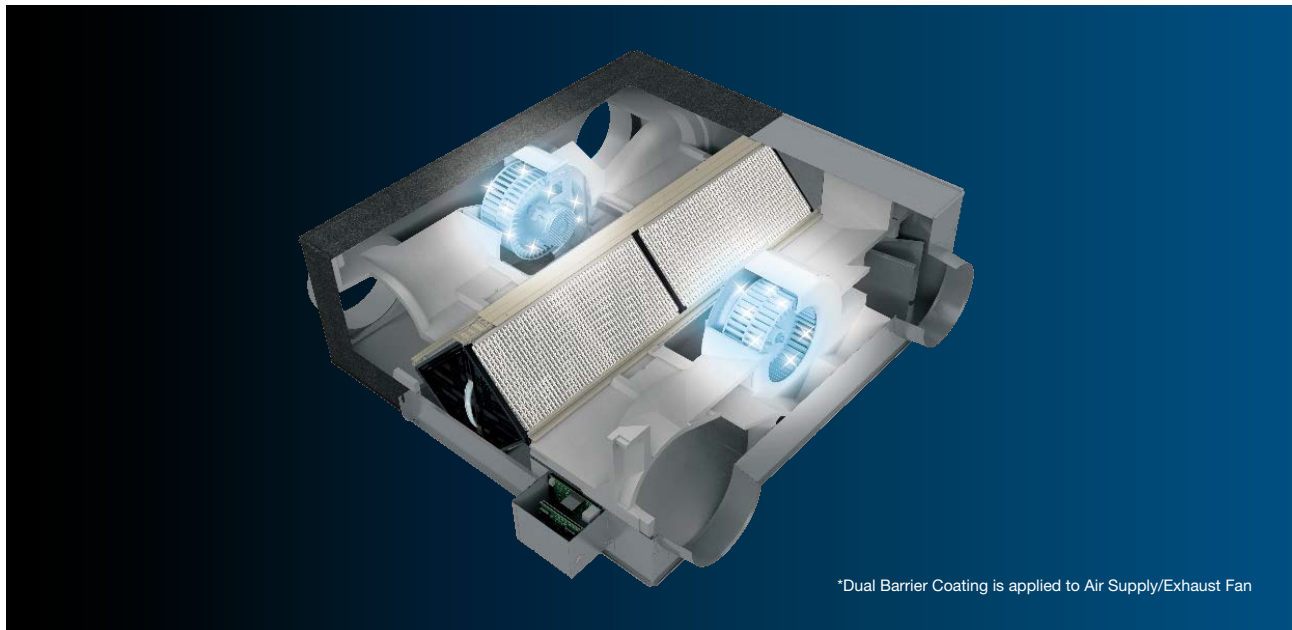


#### Automatic operation with CO<sub>2</sub> sensor

Fan speed automatically changes depending on CO<sub>2</sub> concentration.



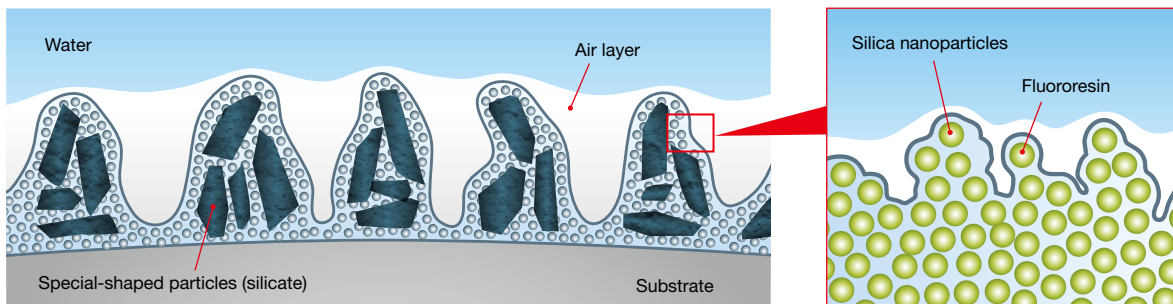
## 03 Dual Barrier Coating



### Dual barrier coating

A water-repellent effect is achieved by creating a coating film that has nano-sized concave-convex structures formed by silica nanoparticles made of water-repellent fluororesin and micron-sized concave-convex structures formed by combining micron-sized special-shaped particles (silicate) with the silica nanoparticles. At the same time, the uneven structure forms an air layer that suppresses the adhesion of dust and sand that contain a lot of humidity, reducing the amount of dirt that adheres to the substrate.

#### ■ Conceptual image of dual barrier coating



## 04 Upgraded filters

The standard filter has been improved from Coarse 35% to Coarse 60% (measured by ISO16890: 2016).

### PZ-~~\*\*~~RF3-E

Standard filter

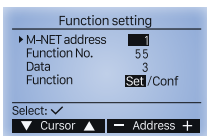
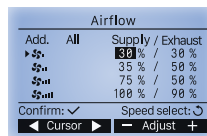


# For Installer

## 01 Improved workability

### 1. Commissioning time

Using a designed motor and new remote controller, a genius algorithm is introduced to reduce the time of airflow adjustment.

	RVX series (PZ-61DR-E)	RVX3 series (PZ-62DR-EA/EB)
Motor	Fan speed was not adjusted quickly.	Fan speed is adjusted quickly by using a designed motor.
Screen setting	 <p>Fan speed can be set by Function setting which needs the setting table. (Not intuitive)</p>	 <p>Fan speed can be set by new display "Airflow setting" where user can set intuitively.</p>

For example, when checking airflow volume twice in SA side → Commissioning time is reduced by 75%\*1

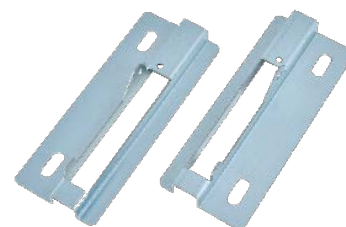
\*1 The average reduction rate when our workers actually install LGH-100RVX-E and LGH-100RVX3-E.

Setting work involves changing the air volume of supply/exhaust air, and the amount of the time that can be reduced varies depending on the operator and work conditions.

	RVX series (PZ-61DR-E)			RVX3 series (PZ-62DR-EA/EB)		
SA	FS4	Adjust to original speed	173s	100%	Adjust to original speed	20s
		Check airflow volume → too much	—		Check airflow volume → too much	—
	OFF	Fan speed setting → FS4 → FS3+3	61s	OFF	Airflow setting → 100% → 90%	40s
	FS3+3	Adjust to set speed	94s	90%	Adjust to set speed	20s
		Check airflow volume → too much	—		Check airflow volume → too much	—
	OFF	Fan speed setting → FS3+3 → FS3+1	61s	OFF	Airflow setting → 90% → 80%	40s
	FS3-1	Adjust to set speed	162s	80%	Adjust to set speed	20s
		Check airflow volume → OK	—		Check airflow volume → OK	—
	Total		551s	Total		140s

### 2. Vertical installation

By enabling vertical installation, the choices of installation location have expanded.



RVX3 can be installed vertically using optional parts.  
It can be installed practically anywhere, such as in the machine room, the edges of a room, and so on.  
Please follow the installation manual when you install RVX3 series vertically.

Model name	LOSSNAY
PZ-1VS-E	LGH-15RVX3-E
	LGH-25RVX3-E
	LGH-35RVX3-E
	LGH-50RVX3-E
PZ-2VS-E	LGH-65RVX3-E
	LGH-80RVX3-E
	LGH-100RVX3-E



# Mitsubishi Electric Ventilator Selection Tool

Appropriate information can be obtained from the required air volume and required static pressure.

Mitsubishi Electric Ventilator Selection Tool Ver. 1.1.0

FileVersion InfoGuide

HomeClimateSA ComparisonLossnay BenefitHeaterPrint Header

Required Duty

Airflow300m3/h

Static Pressure20Pa

Airflow Tolerance

Max120%

Min95%

Power Source

230V/50Hz/Single-phase

Sort

RangeAll

MountingAll

Model Name

Ventilator

Model	Range, Mounting	Power Source	Tolerance, Actual Duty	SFP	Noise dB(A)	Description
LGH-50RVS-E	Heat Recovery, Ceiling mounted	220-240V 50Hz Single-phase	103% 308m3/h 21Pa	0.54	-dB	DC Motor
LGH-80RVS-E	Heat Recovery, Ceiling mounted	220-240V 50Hz Single-phase	102% 306m3/h 21Pa	0.5	-dB	DC Motor
LGH-100RVS-E	Heat Recovery, Ceiling mounted	220-240V 50Hz Single-phase	101% 302m3/h 20Pa	0.49	-dB	DC Motor
LGH-25RVX-E	Energy Recovery, Ceiling mounted	220-240V 50Hz Single-phase	116% 347m3/h 27Pa	0.64	27dB	DC Motor

Accessories

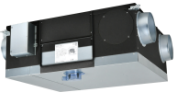
Model	Description	Spec	Manual	Select
PZ-S80RF-E	Filter G3	PDF		<input type="checkbox"/>
PZ-S80RFM-E	Filter M6	PDF		<input type="checkbox"/>
PZ-S80RFH-E	Filter M8	PDF		<input type="checkbox"/>
PZ-250SS-E	Straight Silencer	PDF		<input type="checkbox"/>

Selected Model

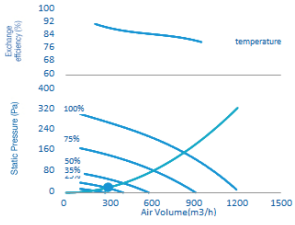
PDFSpec SheetPhotoIB/IMYouTube2D CAD3D CADCatalog

LGH-80RVS-E

FAN DATA SHEET



GRAPH



Technical Data

Product Basic Information

Product RangeHeat Recovery  
Impeller TypeCentrifugal  
Casing MaterialGalvanized steel sheet  
Speed Control100%/75%/50%/25%  
Weight63 kg  
Electrical Supply220-240V / 50Hz / Single-phase  
Operating ConditionsReturn air condition: Shall not be dedicated for high humidity room like shower room. Refer to the manual for details.

Actual Duty Specification

Requested Duty300m3/h @ 20Pa  
Actual Duty306.1m3/h @ 20.9Pa  
Tolerance102.0%  
Fan Speed Setting35%  
Power Input43W  
Specific Fan Power0.50W/(l/s)  
Sound Level - dB(A)18dB@3m

The values obtained by the calculations in this application software are the values in the ideal state and are approximate values. It may differ from the actual value depending on the air volume, air condition, installation condition, etc.

ACOUSTIC INFORMATION

	63	125	250	500	1k	2k	4k	8k	Total LWA @3m	dBA
Inlet	42	45	44	36	27	15	11	10	39	18
Outlet	45	46	45	44	40	33	26	15	45	24
Breakout	55	49	41	33	29	24	23	23	39	18

Sound power level were calculated based on laboratory measurement result.  
The measurement and the calculation were based on ISO 17468:2015.  
Inlets and outlets were based on the calculation of the following conditions.  
In is the power level of the duct carrying at the Actual Duty air volume when common steel spiral duct is connected.  
The power level is eliminated the noise from the unit.

\*This picture is an example of LGH-80RVS-E, which is a different model from RVX3 series.

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# Specifications & Dimensions

## RVX3 series lineup

LGH-15RVX3-E

LGH-25RVX3-E

LGH-35RVX3-E

LGH-50RVX3-E

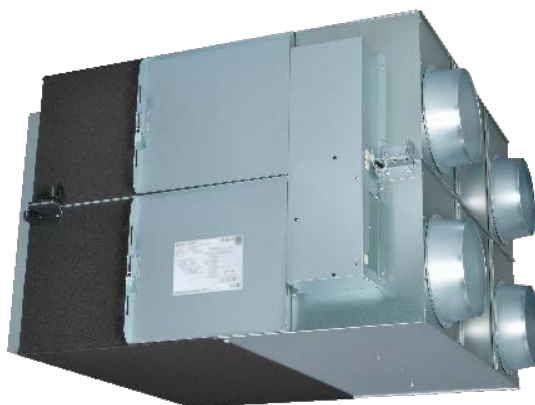
LGH-65RVX3-E

LGH-80RVX3-E

LGH-100RVX3-E

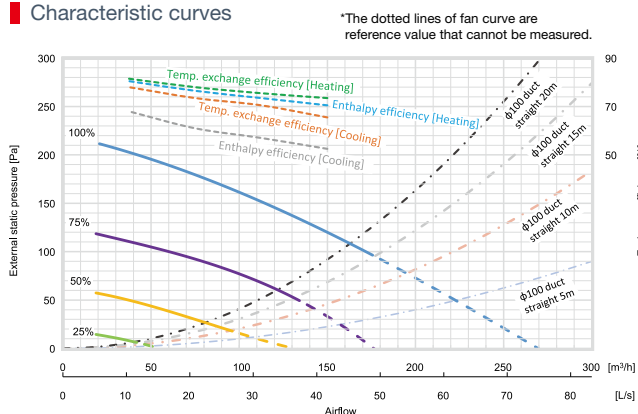
LGH-160RVX3-E

LGH-200RVX3-E



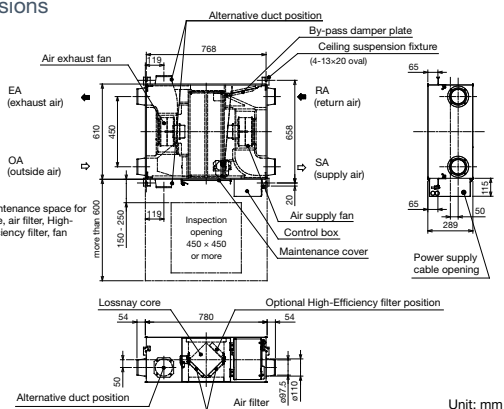
Model		LGH-15RVX3-E			
Specifications					
Electrical power supply		220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1
Default Airflow setting		100%	75%	50%	25%
Input power (W)		55	30	15	10
Airflow	(m³/h)	150	113	75	38
	(L/s)	42	31	21	10
Specific fan power [W/(L/s)]		1.32	0.96	0.72	0.96
External static pressure (Pa)		120	68	30	8
Temperature exchange efficiency (%)	Heating	73.5	75.5	78.0	81.5
	Cooling	65.5	70.5	73.5	78.0
Enthalpy exchange efficiency (%)	Heating	70.5	73.5	76.5	80.5
	Cooling	52.5	57.0	61.0	68.0
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)		27.0	22.0	18.0	17.0
Exhaust air transfer ratio (%)		5			EN308:2022/FS3
Weight (kg)		20			

## Characteristic curves



•For LGH-RVX3 series  
The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation.

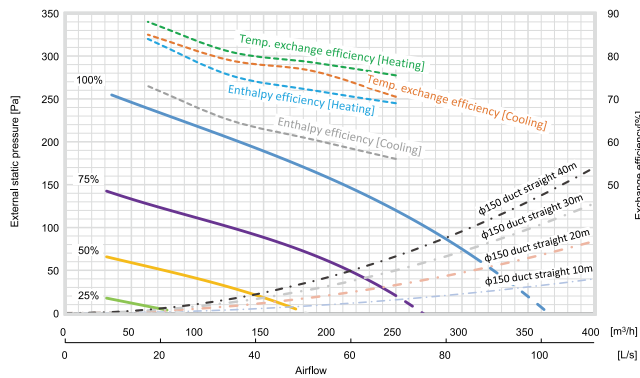
## Dimensions



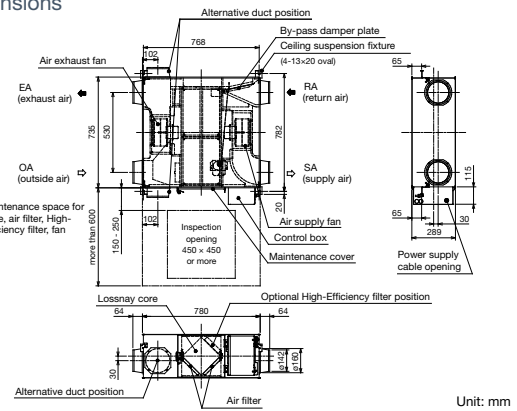
Model		LGH-25RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1
Default Airflow setting		100%	75%	50%	25%
Input power (W)		75	42	21	11
Airflow	(m³/h)	250	188	125	63
	(L/s)	69	52	35	17
Specific fan power [W/(L/s)]		1.08	0.81	0.60	0.63
External static pressure (Pa)		120	68	30	8
Temperature exchange efficiency (%)	Heating	75.5	78.5	81.0	88.0
	Cooling	70.5	76.5	79.0	85.0
Enthalpy exchange efficiency (%)	Heating	69.0	72.0	75.5	84.0
	Cooling	56.0	60.5	65.0	73.0
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)		30.5	25.0	19.5	17.0
Exhaust air transfer ratio (%)		5			EN308:2022/FS3
Weight (kg)		22			

## Characteristic curves

\*The dotted lines of fan curve are reference value that cannot be measured.



## Dimensions

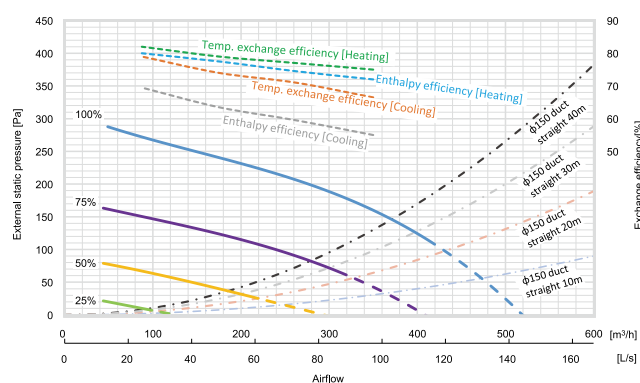


Unit: mm

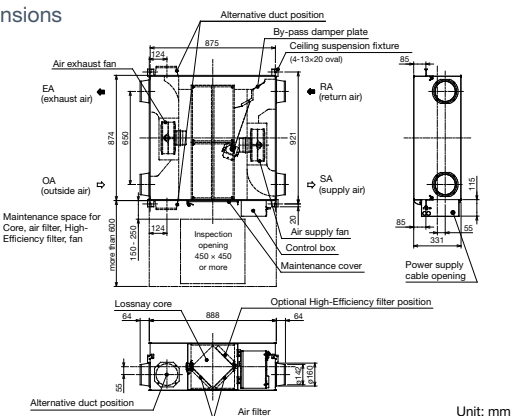
Model		LGH-35RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1
Default Airflow setting		100%	75%	50%	25%
Input power (W)		120	61	29	15
Airflow	(m³/h)	350	263	175	88
	(L/s)	97	73	49	24
Specific fan power [W/(L/s)]		1.23	0.84	0.60	0.62
External static pressure (Pa)		160	90	40	10
Temperature exchange efficiency (%)	Heating	75.0	77.0	79.0	82.0
	Cooling	66.5	71.0	74.0	79.0
Enthalpy exchange efficiency (%)	Heating	72.0	74.5	77.5	80.0
	Cooling	55.0	59.5	63.5	69.5
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)		30.5	24.5	19.0	17.0
Exhaust air transfer ratio (%)		5			EN308:2022/FS3
Weight (kg)		30			

## Characteristic curves

\*The dotted lines of fan curve are reference value that cannot be measured.



## Dimensions



Unit: mm

•For LGH-RVX3 series  
The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation.



Model

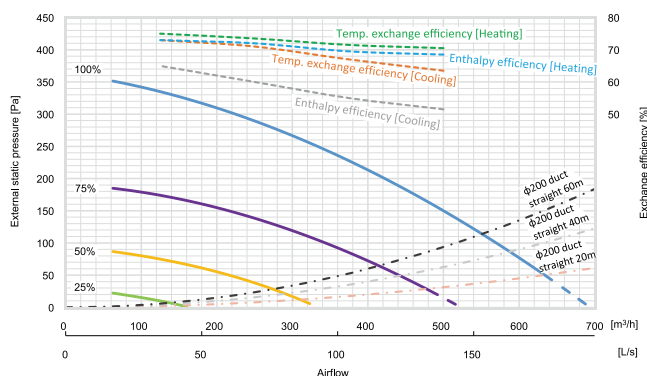
LGH-50RVX3-E

Specifications

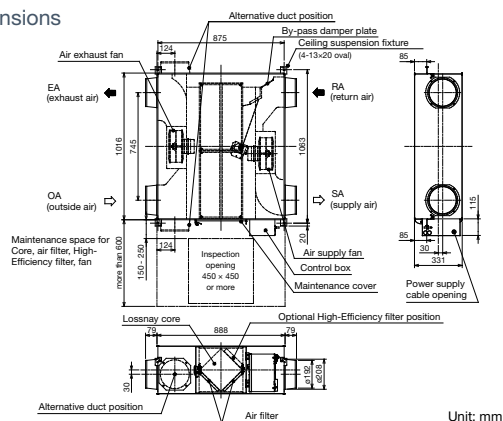
Electrical power supply		220-240V/50Hz, 220V/60Hz				
Fan speed		4	3	2	1	Test condition
Default Airflow setting		100%	75%	50%	25%	
Input power (W)		185	81	34	15	ISO 16494-1: 2022
Airflow	(m³/h)	500	375	250	125	
	(L/s)	139	104	69	35	
Specific fan power [W/(L/s)]		1.33	0.78	0.49	0.43	
External static pressure (Pa)		150	85	38	10	
Temperature exchange efficiency (%)	Heating	70.5	71.5	73.5	75.0	
	Cooling	63.5	67.0	71.0	73.0	
Enthalpy exchange efficiency (%)	Heating	68.5	69.5	72.0	73.0	
	Cooling	51.5	55.0	60.0	65.0	
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)		35.0	27.0	21.0	17.0	A-weighted sound pressure level
Exhaust air transfer ratio (%)		5				EN308:2022/FS3
Weight (kg)		33				

## Characteristic curves

\*The dotted lines of fan curve are reference value that cannot be measured.



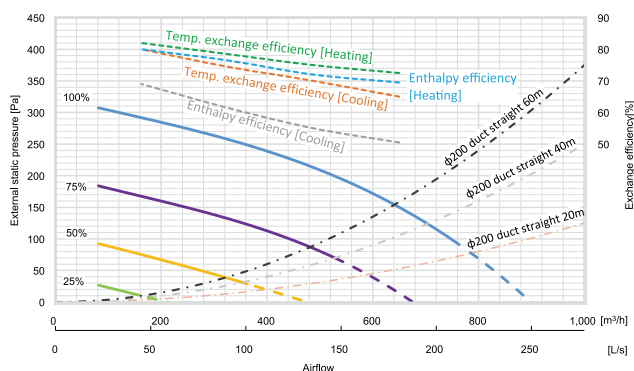
## ■ Dimensions



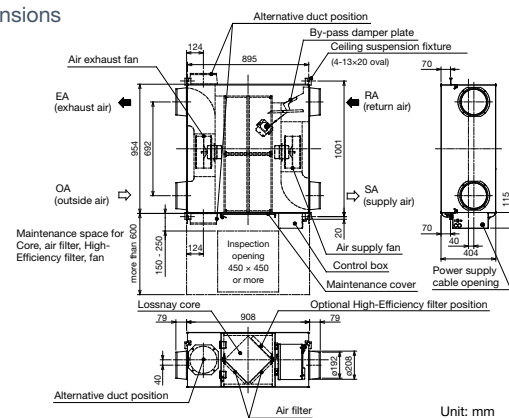
Model		LGH-65RVX3-E				
Specifications						
Electrical power supply		220-240V/50Hz, 220V/60Hz				
Fan speed		4	3	2	1	Test condition
Default Airflow setting		100%	75%	50%	25%	
Input power (W)		245	120	51	20	EN13053: 2019
Airflow	(m³/h)	650	488	325	163	
	(L/s)	181	135	90	45	
Specific fan power [W/(L/s)]		1.36	0.89	0.56	0.44	
External static pressure (Pa)		150	85	38	10	
Temperature exchange efficiency (%)	Heating	72.5	75.0	78.5	82.0	EN308: 2022
	Cooling	65.0	70.0	74.5	80.0	
Enthalpy exchange efficiency (%)	Heating	69.5	72.0	76.5	80.0	
	Cooling	50.5	55.0	61.5	69.0	
Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber)		37.5	31.5	24.0	17.5	
Exhaust air transfer ratio (%)		5				EN308:2022/FS3
Weight (kg)		41				

## Characteristic curves

\*The dotted lines of fan curve are reference value that cannot be measured.



## ■ Dimensions



• For LGH-RVX3 series  
The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation.

**LGH-80RVX3-E**

## Dimensions

# Characteristic curves

"The dotted lines of fan curve are reference value that cannot be measured."

The graph displays the relationship between External static pressure (Pa) on the Y-axis (0 to 500) and Airflow (m³/h) on the X-axis (0 to 1,200). It includes efficiency curves and fan curves for different duct configurations.

**Efficiency Curves:**

- Temp. exchange efficiency [Heating] (Green dashed line)
- Temp. exchange efficiency [Cooling] (Orange dashed line)
- Enthalpy efficiency [Heating] (Blue dashed line)
- Enthalpy efficiency [Cooling] (Blue dashed line)

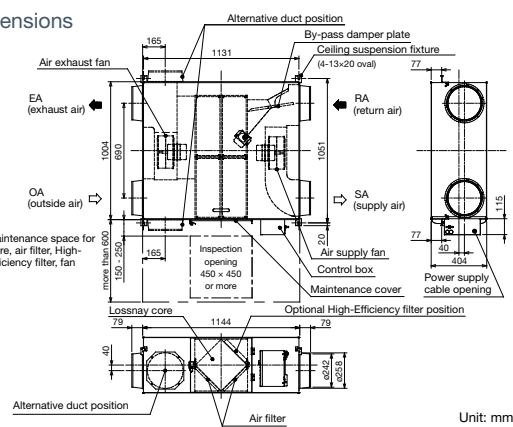
**Fan Curves (Dotted lines):**

- ø250 duct straight 140m
- ø250 duct straight 100m
- ø250 duct straight 60m

**Other Curves:**

- 100% (Blue solid line)
- 75% (Purple solid line)
- 50% (Yellow solid line)
- 25% (Green solid line)

## Dimensions

**LGH-100RVX3-E**

## Dimensions

## Characteristic curves

"The dotted lines of fan curve are reference value that cannot be measured."

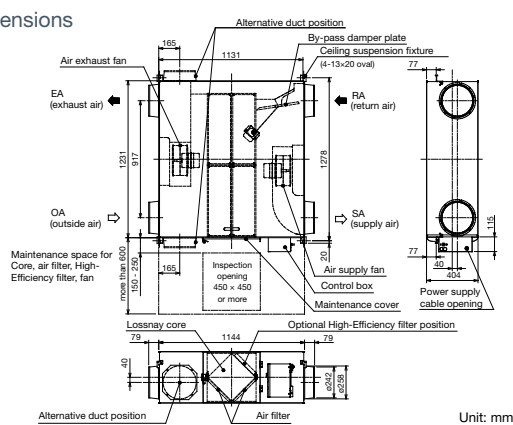
The graph displays the relationship between Airflow and External static pressure for a fan. The x-axis shows Airflow in  $\text{m}^3/\text{h}$  (0 to 1400) and  $\text{L/s}$  (0 to 350). The left y-axis shows External static pressure in  $\text{Pa}$  (0 to 500). The right y-axis shows Exchange efficiency in  $\%$  (0 to 90).

Key curves and lines include:

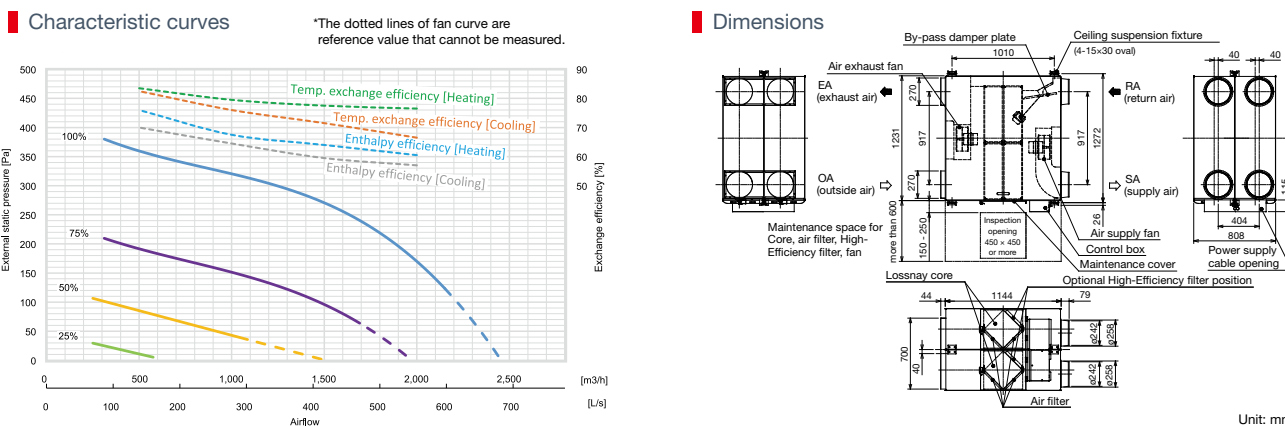
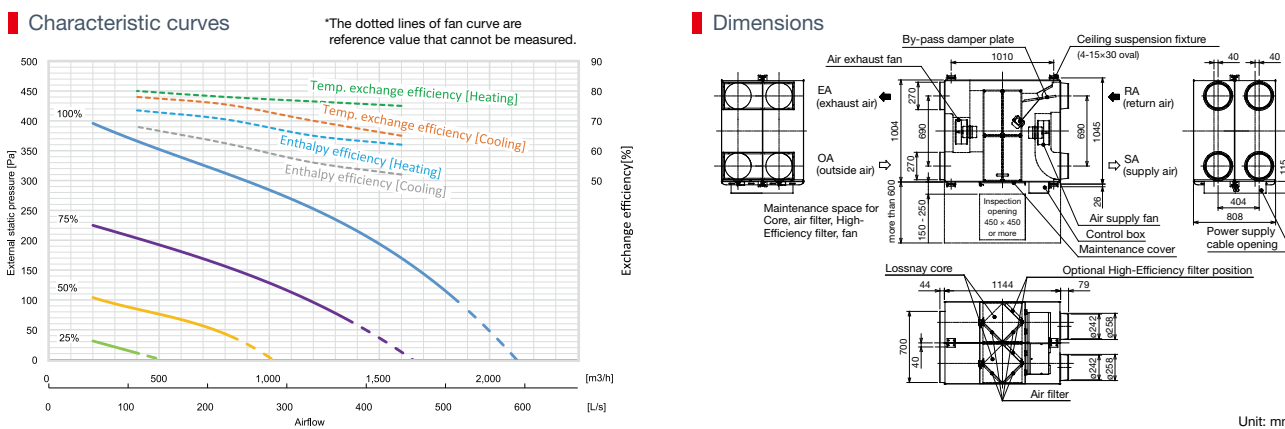
- Temp. exchange efficiency [Heating]** (Green dashed line)
- Temp. exchange efficiency [Cooling]** (Orange dashed line)
- Enthalpy efficiency [Heating]** (Blue dashed line)
- Enthalpy efficiency [Cooling]** (Grey dashed line)
- ø250 duct straight 140m** (Black dotted line)
- ø250 duct straight 100m** (Grey dotted line)
- ø250 duct straight 60m** (Red dotted line)

The solid lines represent the fan's performance at different external static pressures: 250 Pa (purple), 110 Pa (yellow), 25 Pa (green), and 0 Pa (blue).

## Dimensions



•For LGH-RVX3 series  
The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation.





# Remote Controller



## PZ-62DR-EA/EB



Control panel operation in 17 different languages.  
Choose a desired language, among the following languages.

		-EA	-EB
Language	English	●	●
	German	●	●
	Spanish	●	●
	French	●	●
	Italian		●
	Russian	●	
	Portuguese		●
	Swedish		●
	Dutch	●	
	Turkish	●	
	Polish	●	
	Greek		●
	Czech	●	
	Hungarian	●	
	Slovenian		●
	Bulgarian	●	
	Danish		●

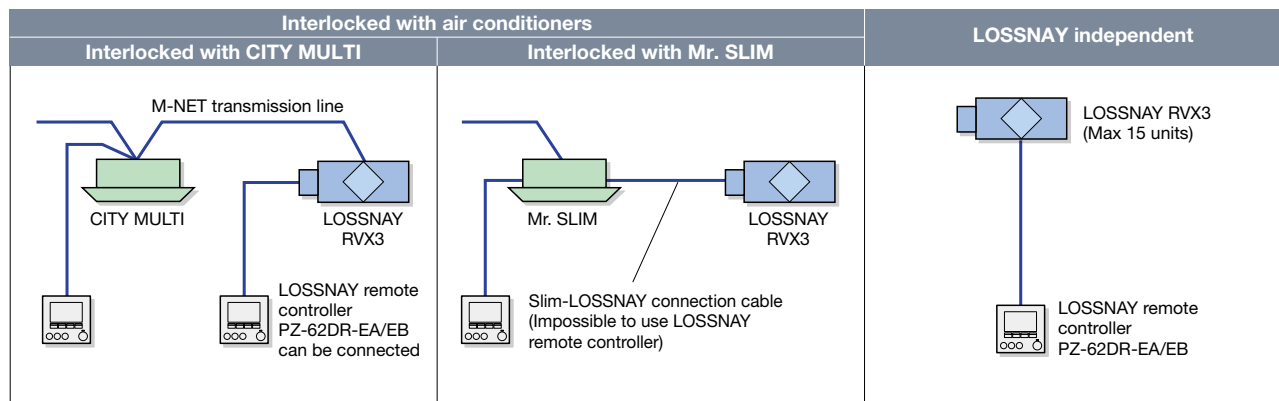
### Compatibility table

Model	PZ-62DR-EA/EB	PZ-43SMF-E
Appearance		
Fan speed selection	4 fan speeds and Auto (Auto is available when using a CO <sub>2</sub> sensor)	2 of 4 fan speeds
Control with a CO <sub>2</sub> sensor (Mitsubishi Electric)	Yes (Fan speed automatically changes from 25% to 100% depending on the CO <sub>2</sub> concentration*)	No
Control with a CO <sub>2</sub> sensor (field supply)	Yes (Fan speed automatically changes from 25% to 100% depending on the CO <sub>2</sub> concentration*)	No
Ventilation mode selection	Energy recovery/Bypass/Auto	Energy recovery/Bypass/Auto
Night-purge	Yes	No
Function setting from remote controller	Yes	No
Bypass temp. free setting	Yes	No
Multi-stage airflow control	Yes (Both supply and exhaust fan speeds can be set separately from 25% to 100% in 5% pitches)	No
ON/OFF timer	Yes	Yes
Auto-off timer	Yes	No
Weekly timer	Yes	No
Fan speed timer	Yes	No
Operation restrictions (ON/OFF, ventilation mode, fan speed)	Yes	No
Operation restrictions (fan speed skip setting)	Yes	No
Screen contrast adjustment	Yes	No
Language selection	Yes (17 languages)	No (English only)
CO <sub>2</sub> concentration indication	Yes (Available when using a Mitsubishi Electric CO <sub>2</sub> sensor )	No
Filter cleaning sign	Yes (Maintenance interval can be changed)	Yes
LOSSNAY core cleaning sign	Yes	No
Error indication	Yes (Displays model name, serial number, contact information)	Yes
Error history	Yes	No
OA/RA/SA temp. display	Yes	No

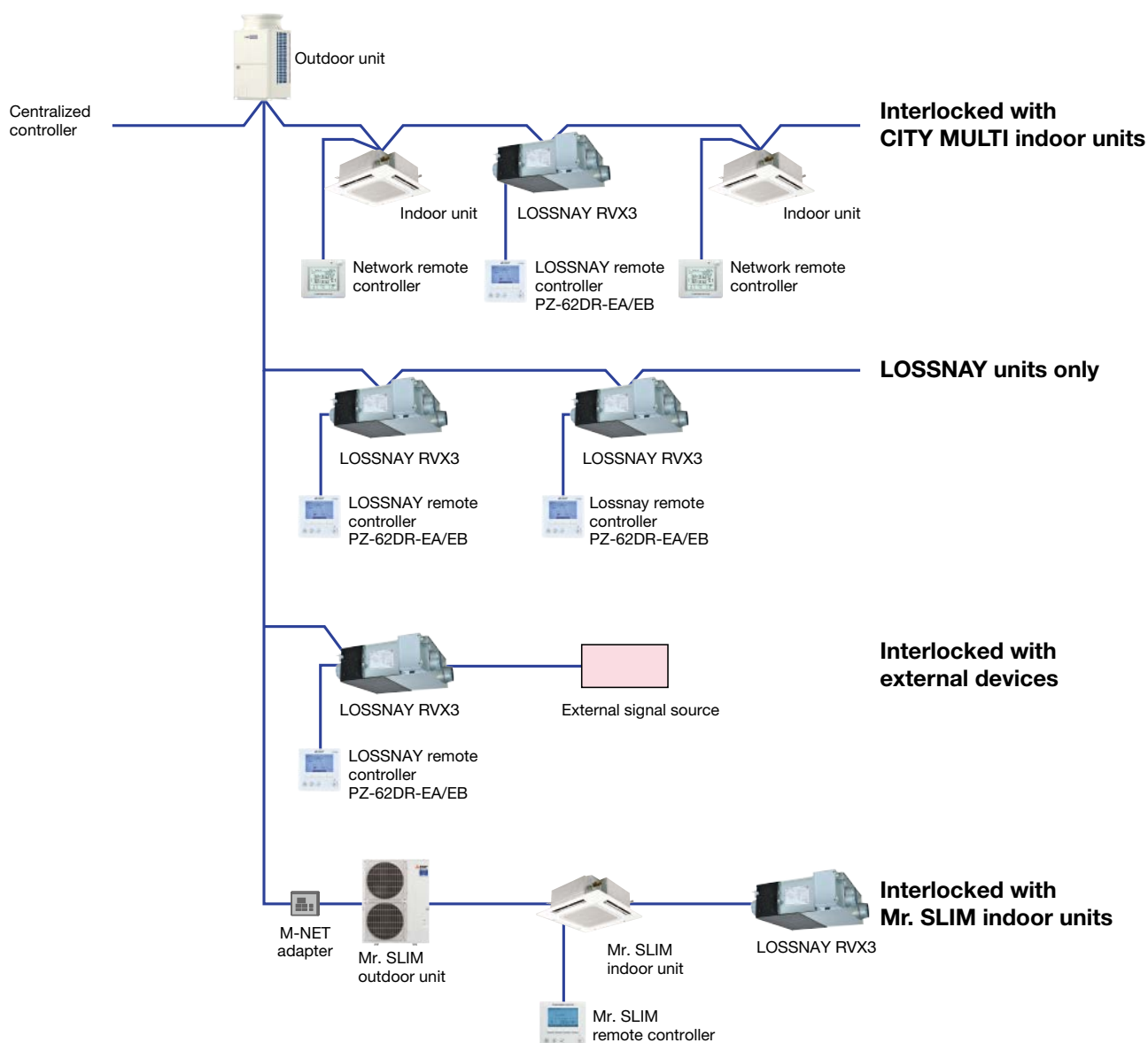
\*When using a CO<sub>2</sub> sensor. Upper and lower limits may be changed.

# Control

The new remote controller PZ-62DR-EA/EB enables simple control setting



## Centralized controller system



# Optional Parts

## Optional parts list

			LOSSNAY								
			LGH-15RVX3-E	LGH-25RVX3-E	LGH-35RVX3-E	LGH-50RVX3-E	LGH-65RVX3-E	LGH-80RVX3-E	LGH-100RVX3-E	LGH-160RVX3-E	LGH-200RVX3-E
Optional parts	LOSSNAY remote controller	PZ-62DR-EA/EB	●	●	●	●	●	●	●	●	●
		PZ-43SMF-E	●	●	●	●	●	●	●	●	●
	Standard filter (Coarse 60%)	PZ-15RF3-E	●								
		PZ-25RF3-E		●							
		PZ-35RF3-E			●						
		PZ-50RF3-E				●					
		PZ-65RF3-E					●				
		PZ-80RF3-E						●		●	
		PZ-100RF3-E							●		●
	ePM1 75% filters	PZ-15RFP3-E	●								
		PZ-25RFP3-E		●							
		PZ-35RFP3-E			●						
		PZ-50RFP3-E				●					
		PZ-65RFP3-E					●				
		PZ-80RFP3-E						●		●	
		PZ-100RFP3-E							●		●
	M6 filters	PZ-15RFM3-E	●								
		PZ-25RFM3-E		●							
		PZ-35RFM3-E			●						
		PZ-50RFM3-E				●					
		PZ-65RFM3-E					●				
		PZ-80RFM3-E						●		●	
		PZ-100RFM3-E							●		●
	F8 filters	PZ-15RFH3-E	●								
		PZ-25RFH3-E		●							
		PZ-35RFH3-E			●						
		PZ-50RFH3-E				●					
		PZ-65RFH3-E					●				
		PZ-80RFH3-E						●		●	
		PZ-100RFH3-E							●		●
	Duct silencer	PZ-100SS-E	●								
		PZ-150SS-E		●	●						
		PZ-200SS-E				●	●				
		PZ-250SS-E						●	●	●	●
	CO <sub>2</sub> sensor	PZ-70CSD-E	●	●	●	●	●	●	●	●	●
		PZ-70CSW-E	●	●	●	●	●	●	●	●	●
	Vertical installation parts	PZ-1VS-E	●	●	●	●					
		PZ-2VS-E					●	●	●		
	Signal output terminal	PZ-4GS-E	●	●	●	●	●	●	●	●	●

Note: Please refer to each product page for required number of pieces/sets.



## Filters

### PZ-\*\*RF3-E

Standard filter



Filter						LOSSNAY	
Filter material	Installation position	Classification		Model name	Piece/set included	Applicable model	Required set/unit
		ISO16890: 2016	EN779: 2012				
Non-woven fabric	Before HEX	Coarse 60%	—	PZ-15RF3-E	2	LGH-15RVX3-E	1
				PZ-25RF3-E	2	LGH-25RVX3-E	1
				PZ-35RF3-E	2	LGH-35RVX3-E	1
				PZ-50RF3-E	2	LGH-50RVX3-E	1
				PZ-65RF3-E	2	LGH-65RVX3-E	1
				PZ-80RF3-E	2	LGH-80RVX3-E	1
						LGH-160RVX3-E	2
				PZ-100RF3-E	2	LGH-100RVX3-E	1
						LGH-200RVX3-E	2

### PZ-\*\*RFP3-E

ePM1 75% filter



Filter						LOSSNAY	
Filter material	Installation position	Classification		Model name	Piece/set included	Applicable model	Required set/unit
		ISO16890: 2016	EN779: 2012				
Pleated filter	After HEX	ePM1 75%	—	PZ-15RFP3-E	1	LGH-15RVX3-E	1
				PZ-25RFP3-E	2	LGH-25RVX3-E	1
				PZ-35RFP3-E	2	LGH-35RVX3-E	1
				PZ-50RFP3-E	2	LGH-50RVX3-E	1
				PZ-65RFP3-E	2	LGH-65RVX3-E	1
				PZ-80RFP3-E	2	LGH-80RVX3-E	1
						LGH-160RVX3-E	2
				PZ-100RFP3-E	2	LGH-100RVX3-E	1
						LGH-200RVX3-E	2

### PZ-\*\*RFM3-E

M6 filter



Filter						LOSSNAY	
Filter material	Installation position	Classification		Model name	Piece/set included	Applicable model	Required set/unit
		ISO16890: 2016	EN779: 2012				
Pleated filter	Before HEX	—	M6	PZ-15RFM3-E	1	LGH-15RVX3-E	1
				PZ-25RFM3-E	2	LGH-25RVX3-E	1
				PZ-35RFM3-E	2	LGH-35RVX3-E	1
				PZ-50RFM3-E	2	LGH-50RVX3-E	1
				PZ-65RFM3-E	2	LGH-65RVX3-E	1
				PZ-80RFM3-E	2	LGH-80RVX3-E	1
						LGH-160RVX3-E	2
				PZ-100RFM3-E	2	LGH-100RVX3-E	1
						LGH-200RVX3-E	2

### PZ-\*\*RFH3-E

F8 filter



Filter						LOSSNAY	
Filter material	Installation position	Classification		Model name	Piece/set included	Applicable model	Required set/unit
		ISO16890: 2016	EN779: 2012				
Pleated filter	After HEX	—	F8	PZ-15RFH3-E	1	LGH-15RVX3-E	1
				PZ-25RFH3-E	2	LGH-25RVX3-E	1
				PZ-35RFH3-E	2	LGH-35RVX3-E	1
				PZ-50RFH3-E	2	LGH-50RVX3-E	1
				PZ-65RFH3-E	2	LGH-65RVX3-E	1
				PZ-80RFH3-E	2	LGH-80RVX3-E	1
						LGH-160RVX3-E	2
				PZ-100RFH3-E	2	LGH-100RVX3-E	1
						LGH-200RVX3-E	2

## Duct silencer

- The duct silencer connects to the LOSSNAY unit to reduce airflow noise
- Four sizes are available to cover a wide range of duct sizes

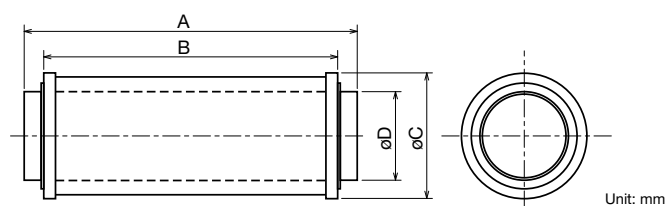


### Specifications

Model	Airflow [m³/h]	Attenuation of sound power level [dB] for center frequency (Discharge)							
		62.5Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
PZ-100SS-E	50	0	3	5	7	6	6	6	8
	150	0	3	6	7	7	7	7	9
PZ-150SS-E	250	0	1	5	8	15	21	20	14
	350	0	1	4	8	14	21	21	16
PZ-200SS-E	500	0	1	4	7	13	18	16	9
	650	0	1	3	8	12	17	14	6
PZ-250SS-E	800	0	2	4	12	22	21	14	13
	1000	0	1	4	12	22	20	14	13

### Dimensions

Model	A	B	C	D	Connecting duct	Weight (kg)
PZ-100SS-E	450	400	152	99	ø100	1.9
PZ-150SS-E	560	500	202	149	ø150	3.5
PZ-200SS-E	660	600	252	199	ø200	5.3
PZ-250SS-E	660	600	332	249	ø250	8.9



## CO<sub>2</sub> sensor

For monitoring CO<sub>2</sub> level and optimize operation with variable air flow control according to CO<sub>2</sub> level.

### PZ-70CSD-E

Duct-mounted  
CO<sub>2</sub> sensor



### PZ-70CSW-E

Wall-mounted  
CO<sub>2</sub> sensor

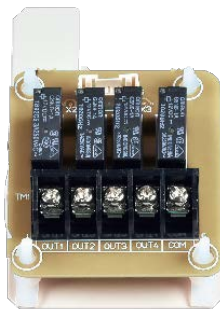


\*Please follow the installation manual when you install this product.

## Signal output terminal

Signal output terminal for control

### PZ-4GS-E

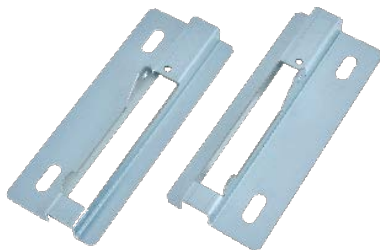


## Installation Parts

Vertical installation parts for RVX3

### PZ-1VS-E

### PZ-2VS-E



\*Please follow the installation manual when you install RVX3 series vertically.